

# LETTER OF SUBMITTAL

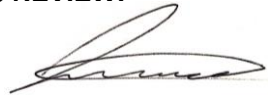
<b>FROM:</b> GILBERT RIOS, PROJECT MANAGER 135 S. STATE COLLEGE BLVD., STE 400 BREA, CA 92821	<b>DATE:</b> <u>04/23/18</u> <b>SM JOB#</b> <u>10198687</u>  <b>Return By:</b> <u>05/13/18</u>
<b>TO:</b> CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS 1149 S. BROADWAY, SUITE #810 LOS ANGELES, CA 90015	<b>RE:</b> CITY OF LOS ANGELES <u>LITTLE TOKYO PEDESTRIAN SAFETY IMPROVEMENTS</u> <u>WORK ORDER NO.: E1907831 &amp; E1907856</u>
<b>ATTN:</b> ABDULLAH SADOZAI	<b>SUBMITTAL NO: 008</b>

**GENTLEMEN:**  
 WE ARE SENDING YOU:   X   ATTACHED      VIA: EMAIL  
**THE FOLLOWING ITEMS:**  
       SHOP DRAWINGS             CHANGE ORDER             SAMPLES  
  X   SUBMITTALS             PLANS             OTHER: \_\_\_\_\_

COPIES	PAGES	SPEC. SECTION	DESCRIPTION
	4	Bid Item 62	Solar Intelligent Waste Compaction Receptacles (Big Belly)

**THESE ARE TRANSMITTED AS CHECKED BELOW:**  
       APPROVAL             RETURN FOR CORRECTION             OTHER: \_\_\_\_\_  
  X   SUBMIT  
       RESUBMIT

**REMARKS:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

<b>COPIES:</b> _____ _____ file, scan _____	<b>CONTRACTOR'S REVIEW:</b> <div style="text-align: center; margin-top: 20px;">         _____        JONATHAN RODELA, PROJECT ENGINEER     </div>
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## High Capacity Station (HC5)

Bigbelly's HC5 is a smart, solar-powered, compacting waste or recycling station. This compacting model holds 5x more than the average 30-gallon traditional waste bin and is equipped with sensors that monitor and report fullness levels and collection activity. It harvests solar power to compact waste and communicate its real-time status. The HC5's enclosed hopper (opening) design ensures total waste containment. This model maintains the durable, high quality and design integrity of all Bigbelly smart stations, and can be customized based on waste stream, options, and accessories.



BUILT-IN  
COMPACTOR



SOLAR  
POWERED



SMART  
STATION



FULLNESS  
SENSING

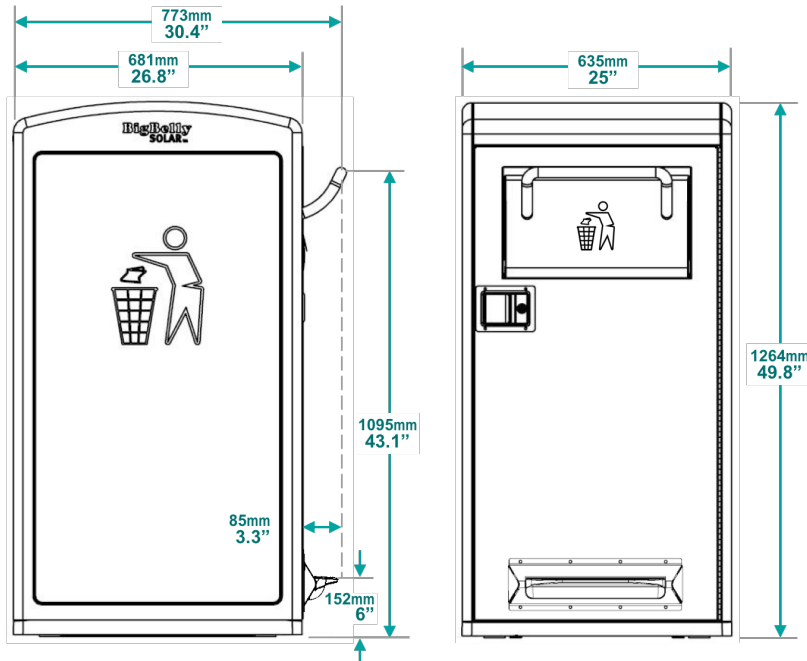


ONBOARD  
GPS



CELLULAR  
CONNECTION

## Technical Specifications



### Overall Machine Dimensions

- Height: 49.8" (1264 mm)
- Width: 25" (635 mm)
- Depth: 26.8" (681 mm)
- Handle Height (ADA Compliant): 43.1" (1095 mm)
- Weight: 270 lbs (122 kg)
- Shipping weight: 300 lbs (136.08 kg)
- Hopper Opening: 6" x 17" (152 mm x 432 mm)
- Bin Volume: 33 gallons (125 L) compacted trash; approx. 150 gallons (568 L) uncompacted trash.
- Bin Dimension: 24" x 20.4" x 21.65" (609 mm x 518 mm x 549 mm)

**Waste Streams:** Mixed Waste Trash, Single Stream Recycling, or Compost (with appropriate markings).

**Options:** Diagram to left shown with Foot Pedal. See options and accessories on next page.

## High Capacity Station (HC5)

*Smart, Solar-Powered,  
Compacting Model  
(150 Gal / 570 L)*



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## High Capacity Station (HC5)

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## Technical Specifications - Continued

### HC5 Features

- Unique built-in compaction technology with up to 5-to-1 compaction ratio
- Fully automated, microprocessor controlled system senses fullness and machine status
- Embedded sensors measure station fullness level (IR sensor) and collection activity
- LED status lamps indicate compacted trash level, machine status and error codes
- 3G GSM or 4G LTE wireless data link for remote monitoring and management
- GPS assisted location service

### Safety Features

- CE approved
- Fully interlocked access doors protect users and service personnel
- Locked front trash removal door.
- Separately keyed service access
- Fault-tolerant design for hopper insertion door prevents access to compaction area

### Durability

- Weather resistant, UV stabilized polyester powder-coat finish on all exterior parts
- Electronic components temperature range of -40°F to +185°F (-40°C to +85°C)
- Fully weatherized, but in the event of a flood, HC5 can withstand:
  - Up to 20" (508 mm) of water without harming the electronics
  - Up to 36" (915 mm) of water with only minor damage to electronics

### Opening (Hopper) Options

PLEASE NOTE: Green Hoppers, Faceplates or Flaps require additional 6 weeks to process.



### Materials

- RoHS compliant
- Galvanized sheet metal steel interior and exterior construction
- Heavy duty plastic side panels for dent and scratch resistance (recycled content)
- Interior Bin: Leak proof; made of low density polyethylene (LDPE) plastic

### Power & Electronics

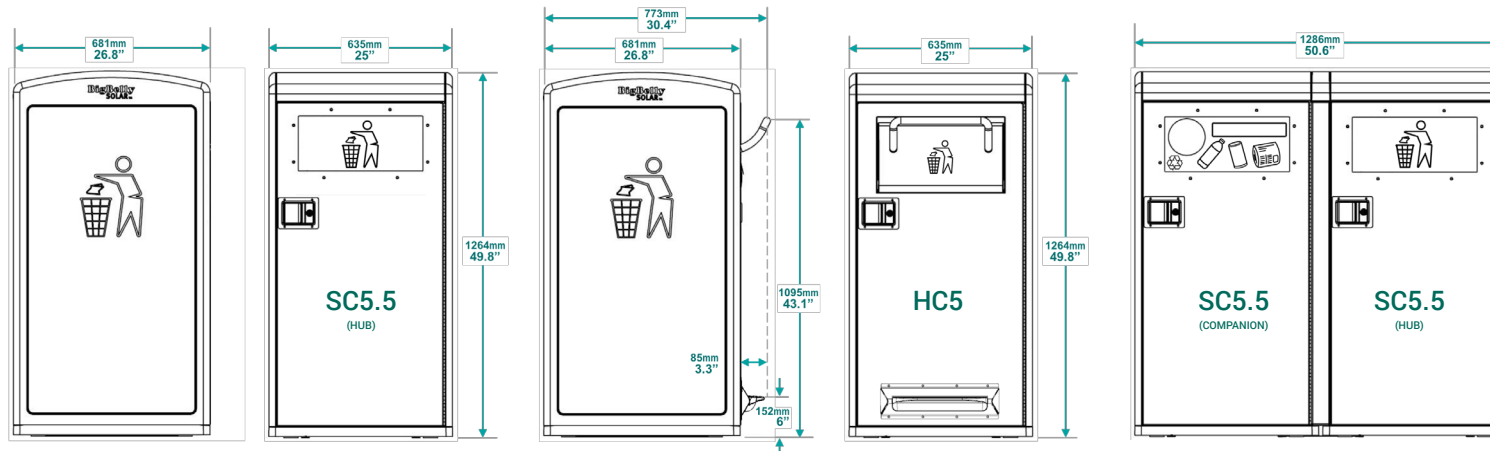
- Polycrystalline silicon cell PV module (22 watts)
  - 40 watts HE (high energy) upgrade available
- PV panel protected by polycarbonate bubble
- Spill-proof, sealed maintenance-free battery
- Self-powered unit requires no wiring

### Options & Accessories

- Foot Pedal for Hands-Free Use
- Wheeled Interior Lift Bin (Bar & Comb Styles)
- Graphic Wraps, Message Panels, Stickers
- Ashtray and Stub-out Plates
- Security System with Physical Plates
- External A/C Adapter for Indoor Use
- Standalone Wi-Fi Hotspot Upgrade Option

## Multi-Stream Configurations

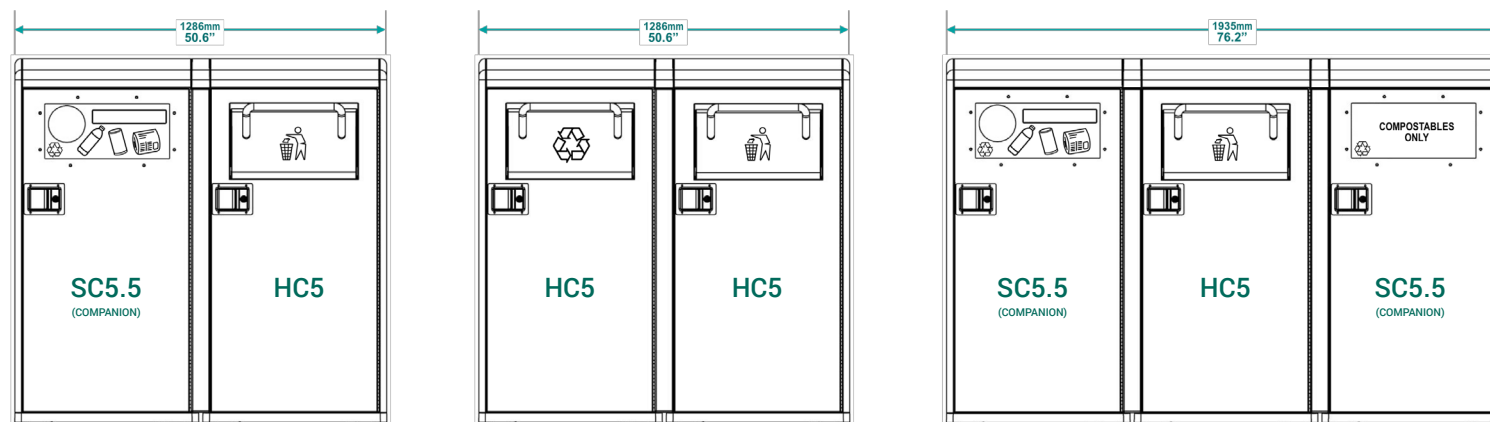
Stations are modular and support any combination of waste streams at each location as **Single, Double, and Triple** station configurations. A fleet may be comprised of a variety of stations in order to meet the unique needs of each area. Customize each station by selecting components' **capacity** (HC5 or SC5.5) and **waste stream** (Trash, Single Stream / Paper / Bottles & Cans Recycling, or Compost/Organics; see next page for available streams per model).



**SC5.5 Single Station**  
Approximately 150 lbs (68kg)

**HC5 Single Station**  
Approximately 270 lbs (122 kg)

**SC5.5/SC5.5 Double Station**  
Approximately 294 lbs (133 kg)



**HC5/SC5.5 Double Station**  
Approximately 414 lbs (188 kg)

**HC5/HC5 Double Station**  
Approximately 540 lbs (245 kg)

**HC5/SC5.5/SC5.5 Triple Station**  
Approximately 558 lbs (253 kg)

## Multi-Stream Configurations

*Mix & Match for  
Station Capacity  
and Waste Stream*



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## Technical Specifications

	High Capacity Station (HC5)	Standard Capacity Station (SC5.5) Hub	Standard Capacity Station (SC5.5) Companion
<b>Overall Dimensions</b>	<i>Smart, Solar-Powered, Compacting Model</i>	<i>Smart, Self-Powered, Non-Compacting Model</i>	<i>Smart, Self-Powered, Non-Compacting Model</i>
Height	49.8" (1264 mm)	49.8" (1264 mm)	49.8" (1264 mm)
Width	25" (635 mm)	25" (635 mm)	25.6" (635 mm)
Depth	26.8" (681 mm)	26.8" (681 mm)	26.8" (681 mm)
Handle Height	43.1" (1095 mm)	-	-
Weight	270 lb (122 kg)	150 lb (68 kg)	144 lb (65 kg)
Shipping Weight	300 lb (136 kg)	180 lb (82 kg)	176 lb (80 kg)
Battery Voltage	12V	4.5V	-
Insertion Opening	6" x 17" (15.2 cm x 43.2 cm)	Can be configured for multiple recycling or waste streams.	Can be configured for multiple recycling or waste streams.
Bin Volume	33 gallons (125 L) compacted; 150 gallons uncompactd	50 gallons (189 L)	50 gallons (189 L)
Liner Bags	Custom High Capacity Liner Bags (#BBS-CB4647 or #BBS-RCB4647) are available for purchase.  <i>The black or clear bags are 47"H x 46"W (120cm x 117cm) and 2.5mil (64μ) thick.</i>	Custom Standard Capacity Liner Bags (#BBS-RB4255) are available for purchase.  <i>The clear bags are 55"H x 42.5"W (140cm x 108cm) and 1.25mil (32μ) thick.</i>	Custom Standard Capacity Liner Bags (#BBS-RB4255) are available for purchase.  <i>The clear bags are 55"H x 42.5"W (140cm x 108cm) and 1.25mil (32μ) thick.</i>

Liner Bags are available from Bigbelly's official provider, WasteZero. Contact WasteZero to order liner bags at +1.800.866.3954 or [www.WasteZero.com/Bigbelly/](http://www.WasteZero.com/Bigbelly/).

### Opening Options

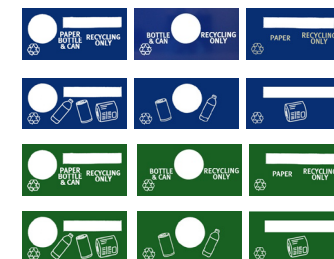
#### Hopper (HC5)



#### Flap (SC5.5)



#### Faceplate (SC5.5)



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